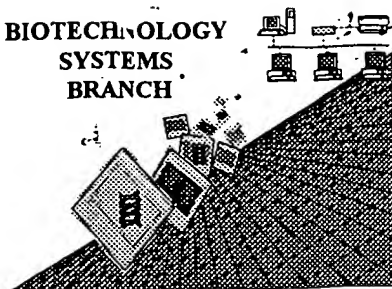


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



#7
#6
BL

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/787,714

Source: PCR/09

Date Processed by STIC: 8/1/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/787,714

DATE: 08/01/2001
TIME: 18:36:45

Input Set : A:\es.txt
Output Set: N:\CRF3\08012001\I787714.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Descamps, Valerie
4 Klarszinsky, Olivier
5 Barbeyron, Tristan
6 Cloarec, Bernard
7 Fritig, Bernard
8 Joubert, Jean-Marie
9 Plesse, Bertrand
10 Yvin, Jean-Claude
12 <120> TITLE OF INVENTION: Endofucanases and Method Using Same for Preparing Fuco-oligosaccharides
13 from Fucanes, Bacterium Producing Endofucanases and Uses of Fuco-oligosaccharides for Plant Protection
16 <130> FILE REFERENCE: 32976-256844
18 <140> CURRENT APPLICATION NUMBER: US 09/787,714
19 <141> CURRENT FILING DATE: 2001-03-21
21 <150> PRIOR APPLICATION NUMBER: PCT/FR99/02243
22 <151> PRIOR FILING DATE: 1999-09-21
24 <160> NUMBER OF SEQ ID NOS: 6
26 <170> SOFTWARE: PatentIn version 3.0
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29 <211> LENGTH: 1474
30 <212> TYPE: DNA
31 <213> ORGANISM: Unknown
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Gram-negative rod bacterium
36 <220> FEATURE:
37 <221> NAME/KEY: Unsure
38 <222> LOCATION: (112)..(112) (12)..(12) *in at location 1/2*
39 <223> OTHER INFORMATION: "n" = a or g or c or t/u, unknown, or other
42 <220> FEATURE:
43 <221> NAME/KEY: Unsure
44 <222> LOCATION: (1124)..(1124)
45 <223> OTHER INFORMATION: "n" = a or g or c or t/u, unknown, or other
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53 gcctcttact gcgggatagc ccagagaaat ttggattaat atcgcatagc ataacgaccc 180
55 cgcattgggat gttattaaag gttacggtaa gagatgagta tgcgtttctat tagctagatg 240
57 gagggtgaac ggcacacccat ggcaacgata gataggggcc ctgagagggg gatccccac 300
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75 agtccacgcc gtaaacgatg gatactagct gttcggattt atctgagtgg ctaagcgaaa 840

RAW SEQUENCE LISTING

DATE: 08/01/2001

PATENT APPLICATION: US/09/787,714

TIME: 18:36:45

Input Set : A:\es.txt

Output Set: N:\CRF3\08012001\I787714.raw

77 gtgataagta tcccacctgg ggagtagctt cgcaagaatg aaactcaaag gaattgacgg 900
 79 gggcccgcac aagcggtgga gcatgtggtt taattcgatg atacgagagg aaccttacca 960
 81 gggcttaaat gtagattgca ttaggtggag acacttattt cttcggacca tctacaaggt 1020
 83 gctgcatggt tgcgtcagc tcgtgccgtg aggtgtcagg ttaagtcta taacgagcgc 1080
 85 aacccccgtt gttagttgcc agcgagtcat gtcgggaact ctancaagac tgccagtgca 1140
 87 aactgtgagg aaggtgggga tgacgtcaaa tcatcacggc ccttacgtcc tgggctacac 1200
 89 acgtgctaca atggtaggga cagagagcag ccactgggag accaggagcg aatctataaa 1260
 91 ccctatcaca gttcgggatcg gagtctgcaa ctgcactccg tgaagctgga atcgctagta 1320
 93 atcgcatatc agccatgatg cgggtgaatac gttcccgggc cttgtacaca ccgcccgtca 1380
 95 agccatggaa gctgggagtg cctgaagtcg gtcaccgcaa ggagcggcct agggtaaaat 1440
 97 cggtaaactag ggctaagtcg taacaagggtg tccg 1474
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 101 <211> LENGTH: 15
 102 <212> TYPE: PRT
 103 <213> ORGANISM: Unknown
 105 <220> FEATURE:
 106 <223> OTHER INFORMATION: Gram-negative rod bacterium
 108 <400> SEQUENCE: 2
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 111 1 5 10 15
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 115 <212> TYPE: PRT
 116 <213> ORGANISM: Unknown
 118 <220> FEATURE:
 119 <223> OTHER INFORMATION: Gram-negative rod bacterium
 121 <400> SEQUENCE: 3
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 126 Gly Lys
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 132 <213> ORGANISM: Unknown
 134 <220> FEATURE:
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 140 1 5 10 15
 142 Pro
 145 <210> SEQ ID NO: 5
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 148 <213> ORGANISM: Unknown
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 151 <223> OTHER INFORMATION: Gram-negative rod bacterium
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 156 tcacctatac ttaatcttac cgatggaaaa ggatcattcg cctataatta tactttgcaa 120

RAW SEQUENCE LISTING

DATE: 08/01/2001

PATENT APPLICATION: US/09/787,714

TIME: 18:36:45

Input Set : A:\es.txt

Output Set: N:\CRF3\08012001\I787714.raw

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158 ttaggaaccg attattatga ttttgaaggt gatgcactta ctattactaa aacatcagga      180
160 cctgattggc tcaccattca aca                                           203
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164 <211> LENGTH: 67
165 <212> TYPE: PRT
166 <213> ORGANISM: Unknown
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Gram-negative rod bacterium
171 <400> SEQUENCE: 6
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177          20          25          30
179 Phe Ala Tyr Asn Tyr Thr Leu Gln Leu Gly Thr Asp Tyr Tyr Asp Phe
180          35          40          45
182 Glu Gly Asp Ala Leu Thr Ile Thr Lys Thr Ser Gly Pro Asp Trp Leu
183          50          55          60
185 Thr Ile Gln
186 65

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/787,714

DATE: 08/01/2001

TIME: 18:36:46

Input Set : A:\es.txt

Output Set: N:\CRF3\08012001\I787714.raw

L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1